

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

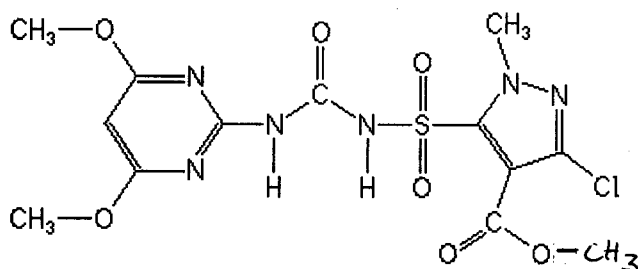
Analyte: Halosulfuron-methyl

CAS No.: 135397-30-7

Formula: C₁₃H₁₅ClN₆O₇S

Molecular mass (lowest isotopes): 434,04 amu

Structure:



Ionisation: ESI +

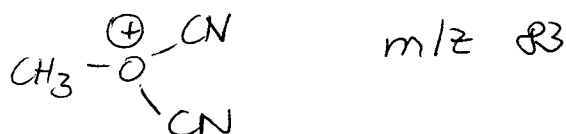
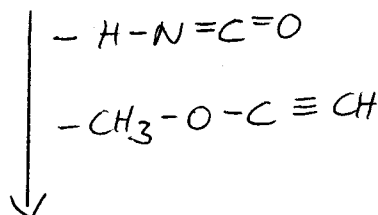
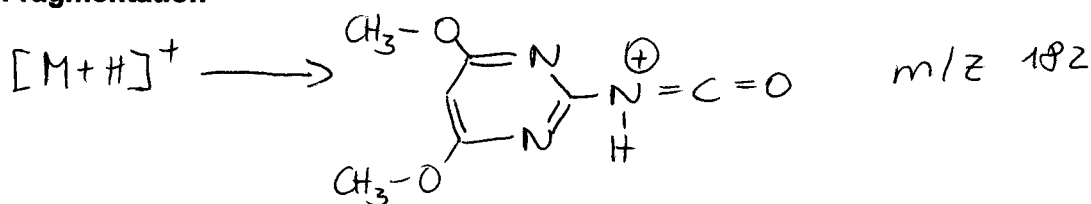
Quasimolecular ion: 435,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

Transition	435,0 → 182,1	435,0 → 83,1
Declustering potential (DP) ^{*)}	36V	36 V
Focusing potential (FP)	370 V	360 V
Entrance potential (EP)	10 V	10,5 V
Collision cell entrance potential (CEP)	22 V	18 V
Collision energy (CE)	27 V	73 V
Collision cell exit potential (CXP)	10 V	4 V

^{*)} For API 3000 and 4000 enhance DP by 20V

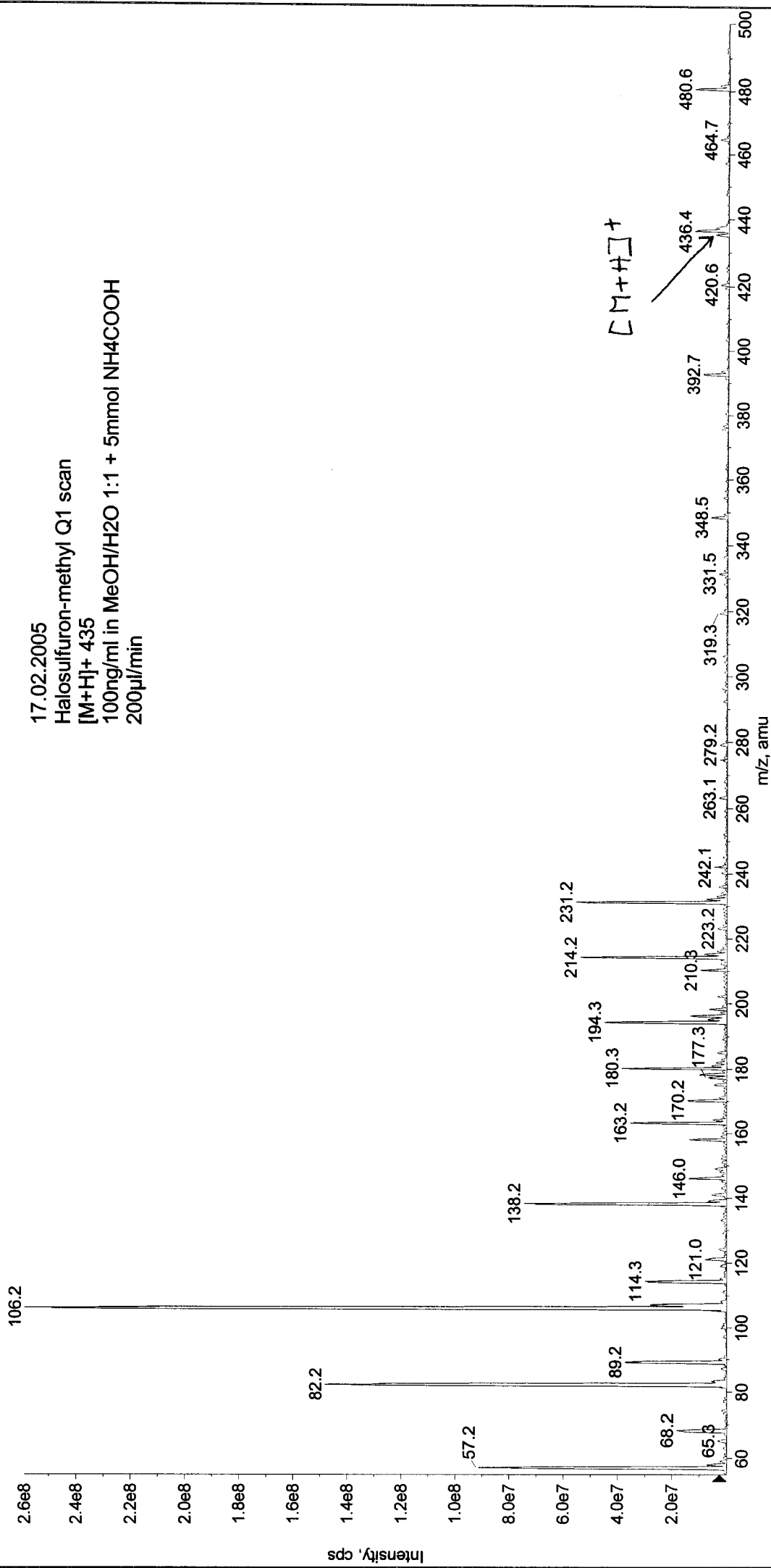
Fragmentation

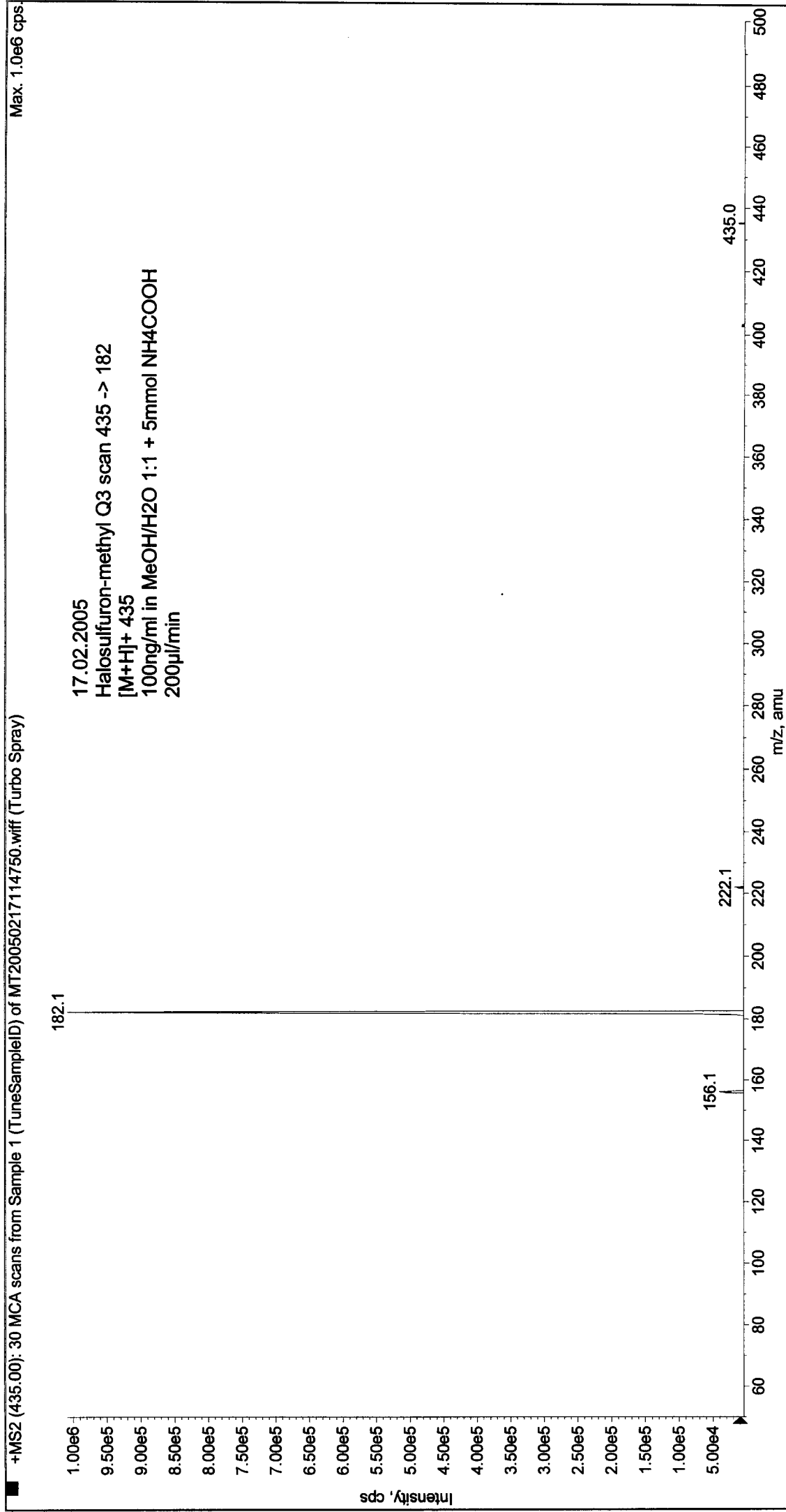


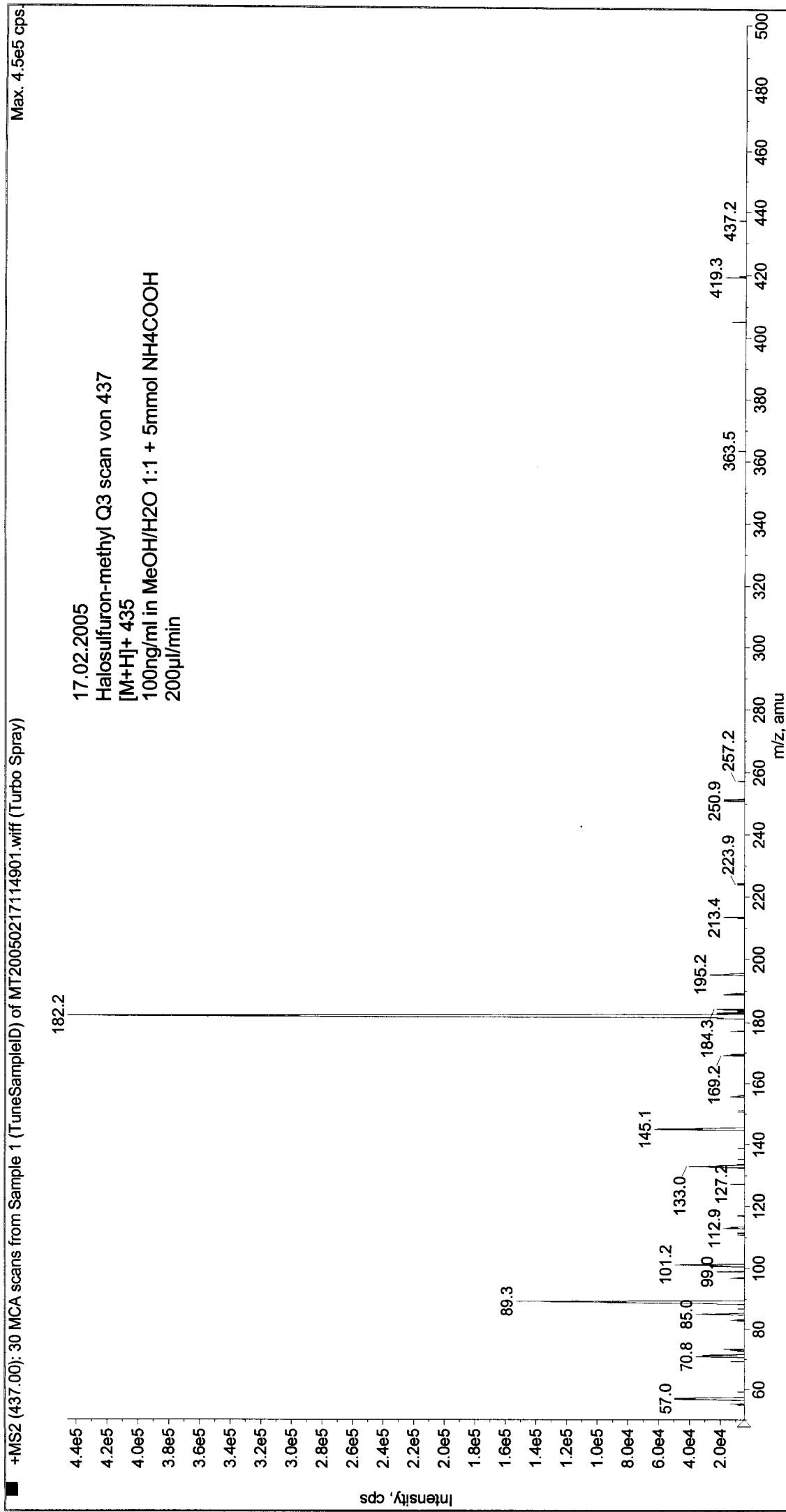
+Q1: 30 MCA scans from Sample 1 (TuneSampleID) of MT20050217114556.wiff (Turbo Spray)

Max. 2.6e8 cps

17.02.2005
 Halosulfuron-methyl Q1 scan
 [M+H]⁺ 435
 100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
 200µl/min







Printing Time: 11:16:59

Printing Date: Thursday, February 17, 2005

Acq. Time: 11:15

Acq. Date: Thursday, February 17, 2005

Acq. File: MT20050217111518.wiff

Sample Comment:

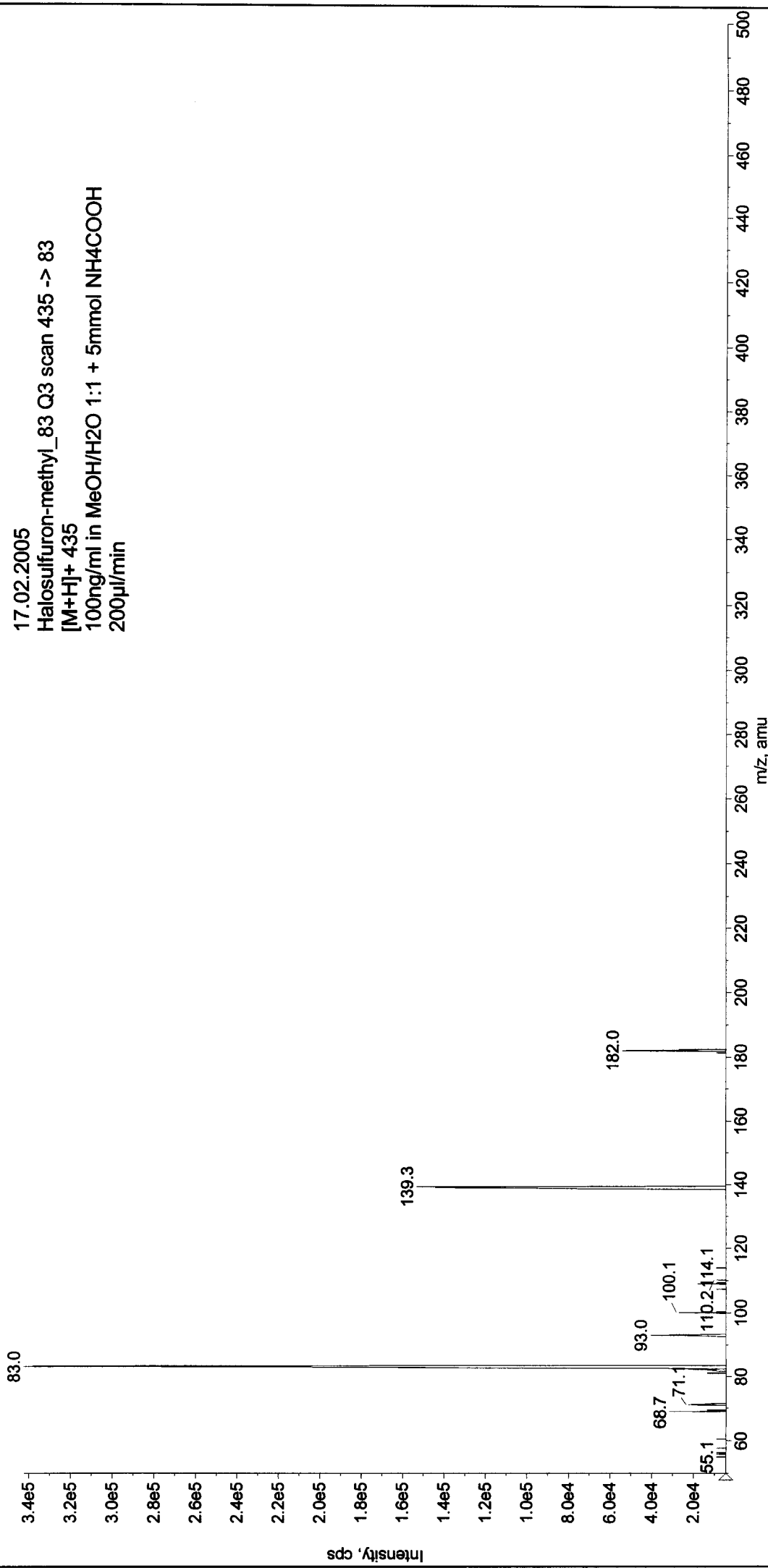
Sample Name: TuneSampleID

Batch Name: ManualTune.bat

+MS2 (435.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050217111518.wiff (Turbo Spray)

Max. 3.4e5 cps

17.02.2005
Halosulfuron-methyl_83 Q3 scan 435 -> 83
[M+H]⁺ 435
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min



Printing Time: 11:18:16

Printing Date: Thursday, February 17, 2005

Acq. Time: 11:17

Acq. Date: Thursday, February 17, 2005

Acq. File: MT20050217111715.wiff

Sample Comment:

Sample Name: TuneSampleID

Batch Name: ManualTune.bat

+MS2 (437.00): 30 MCA scans from Sample 1 (TuneSampleID) of MT20050217111715.wiff (Turbo Spray)

Max. 1.6e5 cps.

17.02.2005
Halosulfuron-methyl_83 Q3 scan von 437
[M+H]⁺ + 435
100ng/ml in MeOH/H₂O 1:1 + 5mmol NH₄COOH
200µl/min

